

WHAT IS CLAIMED IS:

1. A transmission oil cooler for a vehicle, comprising:
a pair of tube plates, each of which has an oil inlet and an oil outlet at ends
thereof;
5 an inner fin mounted in an oil flow passage formed between the tube plates for
absorbing heat emitted from the oil and transferring the absorbed heat to the tube plates;
and
a pair of stoppers, each of which is respectively mounted on an edge portion of
the inlet and the outlet for fixing the ends of the inner fin thereto.

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2. The transmission oil cooler of claim 1, wherein the oil inlet and the oil
outlet are shaped as a cup.

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3. The transmission oil cooler of claim 2, wherein the inner fin is bent
along an edge portion.

4. The transmission oil cooler of claim 3, wherein each stopper
comprises:

20 a supporting portion connected to an inside of the cup-shaped inlet and the
cup-shaped outlet; and

a lip portion protruding from the oil inlet and the oil outlet for respectively
receiving ends of the inner fin.

25 5. The transmission oil cooler of claim 4, wherein the ends of the inner
fins are concave-shaped, and the lip portion for receiving the ends of the inner fin is
convex-shaped corresponding to the shape of the ends of the inner fin.

6. The transmission oil cooler of claim 5, wherein the stopper and the
tube plate are formed as one body.